Exploratory Data Analysis on WDI Data

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Introduction

Selected WDI data variables:

▶ GDP per capita

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▶ GDP per capita
▶ Life expectancy

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Selected WDI data variables:

▶ GDP per capita
▶ Life expectancy
▶ Unemployment rate

Summary Statistics

Table 1: Summary statistics for GDP per capita, life expectancy, and unemployment rate

	variable	mean	median	min	max	
0	gdp_per_capita	17358.17	6810.11	259.03	125006.02	2
1	life_expectancy	72.17	73.44	53.00	85.38	
2	unemployment_rate	7.25	5.50	0.13	37.85	

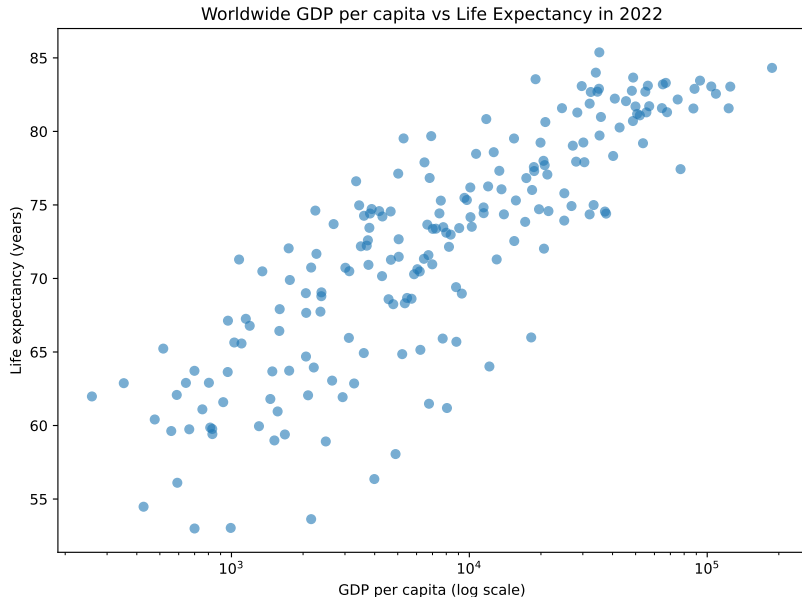# GDP per capita vs Life Expectancy

Figure 1: Scatterplot for the relationship between worldwide GDP per

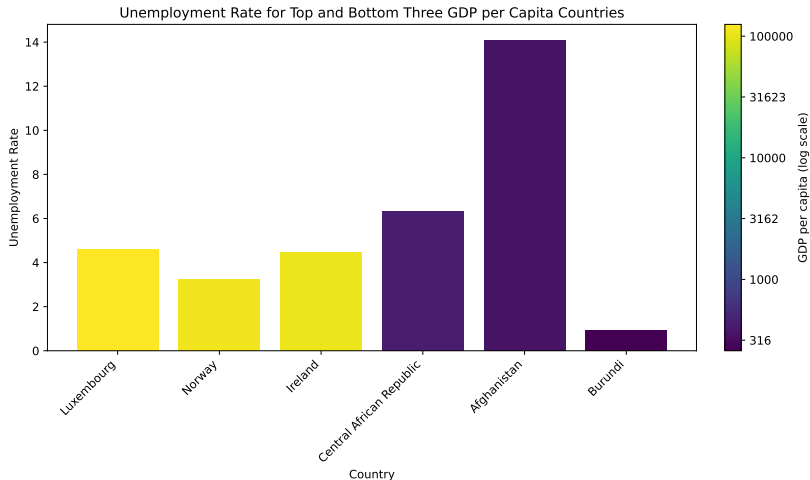# GDP per capita and Unemployment Rate

Figure 2: Bar graph of unemployment rate for the 3 countries with the highest GDP per capita and the 3 countries with the lowest GDP per capita

Conclusion

▶ Examined 3 variables in the WDI dataset: GDP per capita, life expectancy, and unemployment rate

▶ Strong positive relationship between GDP per capita and life expectancy

▶ Unemployment rate of countries can vary across vastly different GDP per capita values

▶ There is a complex relationship between various economic indicators and social outcomes, and a multitude of factors must be considered to obtain the full picture